

PWS ID # 4100731

Sample Period: March 2024

Salem Public Works Department

### Chlorine/Turbidity/Fluoride Monitoring Report

Marion County

	Finished Water Turbidity *	Finished Water Total Daily Flow	Minimum Chlorine Residual at First User	Fluoride Grab	Fluoride Feed Rate
<b>Location:</b>	Geren Island	Geren Island	Aldersgate**	Aldersgate**	Geren Island
<b>Source ID:</b>	WTP-A	WTP-A	EP-A	EP-A	WTP-A
<b>Unit</b>	<b>ntu</b>	<b>MGD</b>	<b>mg/L</b>	<b>mg/L</b>	<b>GPD</b>
3/1/2024	0.17	23.7	1.34	0.60	62
3/2/2024	0.06	22.8	1.19	0.61	59
3/3/2024	0.14	22.9	1.20	0.60	60
3/4/2024	0.16	22.8	1.21	0.60	60
3/5/2024	0.21	22.7	1.12	0.60	60
3/6/2024	0.39	22.4	1.03	0.61	60
3/7/2024	0.29	21.5	0.97	0.64	57
3/8/2024	0.26	21.7	0.95	0.63	58
3/9/2024	0.19	21.6	1.01	0.63	57
3/10/2024	0.16	22.1	1.21	0.62	59
3/11/2024	0.11	22.3	1.18	0.63	59
3/12/2024	0.13	23.8	1.23	0.62	64
3/13/2024	0.21	24.8	1.24	0.64	67
3/14/2024	0.19	25.2	1.22	0.66	69
3/15/2024	0.15	25.9	1.32	0.67	70
3/16/2024	0.14	26.0	1.31	0.67	70
3/17/2024	0.13	26.5	1.27	0.67	72
3/18/2024	0.15	26.9	1.18	0.67	73
3/19/2024	0.13	26.2	1.17	0.68	71
3/20/2024	0.10	26.4	1.28	0.66	71
3/21/2024	0.09	26.5	1.32	0.60	72
3/22/2024	0.11	26.8	1.36	0.62	73
3/23/2024	0.07	27.0	1.43	0.61	73
3/24/2024	0.07	26.9	1.37	0.60	73
3/25/2024	0.07	26.9	1.31	0.60	73
3/26/2024	0.07	26.8	1.27	0.60	73
3/27/2024	0.12	26.5	1.22	0.60	72
3/28/2024	0.11	26.8	1.18	0.59	72
3/29/2024	0.10	27.0	1.16	0.59	73
3/30/2024	0.10	27.1	1.21	0.60	73
3/31/2024	0.13	27.0	1.28	0.60	73
<b>Total</b>		773.1			<b>2,078</b>
<b>Average</b>	<b>0.15</b>	25.0	1.22	0.62	

\*Finished water turbidity results are the highest reading of the day from combined filter effluent samples prior to reservoir.

\*\*Aldersgate sample site: Aldersgate 7790 Marion Rd. SE, Turner OR. Entry Point A

Treatment: SSF

OHA-Drinking Water Program- Surface Water Quality Form							County	Marion		
Salem Public Works		ID# OR4100731	WTP-A		Mo/Yr		March,2024			
DATE	Time 0000-2400	Minimum Cl2 Residual at first user (C) mg/L	Contact Time (T) Minutes	Actual CT  C X T	Temp  (Deg. C)	pH	Required CT	CT Met?  Yes/No	Peak Hourly Demand Flow  (MGD)	
1	1512	1.36	609	828	8.1	7.5	62	Y	14.0	
2	1922	1.31	734	962	7.8	7.5	62	Y	11.6	
3	847	1.28	734	939	8.0	7.5	62	Y	11.6	
4	522	1.30	746	970	7.9	7.6	76	Y	11.4	
5	1102	1.36	736	1,001	7.7	7.5	62	Y	11.6	
6	555	1.31	718	941	8.0	7.5	62	Y	11.9	
7	1235	1.16	842	977	9.1	7.6	74	Y	10.1	
8	1229	1.19	811	966	8.5	7.8	74	Y	10.5	
9	848	1.24	852	1,056	7.8	7.8	76	Y	10.0	
10	728	1.33	811	1,079	7.7	7.6	76	Y	10.5	
11	1416	1.34	897	1,202	8.0	7.7	76	Y	9.5	
12	225	1.31	599	784	8.0	7.6	76	Y	14.2	
13	1333	1.24	866	1,074	8.1	7.7	76	Y	9.8	
14	1258	1.25	747	934	8.2	7.6	76	Y	11.4	
15	1203	1.32	873	1,152	8.2	7.6	76	Y	9.8	
16	1436	1.44	880	1,267	8.3	7.6	77	Y	9.7	
17	1319	1.32	788	1,040	8.8	7.7	76	Y	10.8	
18	1153	1.36	852	1,159	9.0	7.7	76	Y	10.0	
19	1102	1.30	775	1,007	9.2	7.7	76	Y	11.0	
20	1201	1.32	775	1,022	9.3	7.7	76	Y	11.0	
21	1707	1.33	741	985	9.8	7.6	76	Y	11.5	
22	653	1.36	775	1,053	9.6	7.6	76	Y	11.0	
23	559	1.43	788	1,127	9.5	7.5	64	Y	10.8	
24	1624	1.40	781	1,093	9.3	7.5	62	Y	10.9	
25	2111	1.35	790	1,066	9.4	7.5	62	Y	10.8	
26	1608	1.27	778	988	9.1	7.5	62	Y	11.0	
27	1540	1.22	775	945	9.3	7.5	62	Y	11.0	
28	2356	1.18	741	874	9.2	7.5	61	Y	11.5	
29	27	1.16	741	859	9.2	7.5	61	Y	11.5	
30	1000	1.21	763	923	9.1	7.6	76	Y	11.2	
31	1200	1.39	442	615	9.4	7.6	76	Y	19.3	

\* Site: Line 2 at Aldersgate CT point, 7790 Marion Rd. SE. Turner, OR

Report Date: Apr 04, 2024

OHA-Drinking Water Program- Surface Water Quality Form								County	Marion
Salem Public Works		ID# OR4100731	WTP-A		Mo/Yr		March,2024		
DATE	Time 0000-2400	Minimum Cl2 Residual at first user (C) mg/L	Contact Time (T) Minutes	Actual CT  C X T	Temp  (Deg. C)	pH	Required CT	CT Met?  Yes/No	Peak Hourly Demand Flow  (MGD)
1	329	1.34	400	536	8.0	7.4	62	Y	14.5
2	2331	1.19	488	581	7.5	7.4	61	Y	11.9
3	157	1.20	492	590	7.7	7.3	61	Y	11.8
4	113	1.21	490	593	7.7	7.4	62	Y	11.8
5	2143	1.12	488	547	7.3	7.4	61	Y	11.9
6	2349	1.03	485	499	7.7	7.5	61	Y	12.0
7	35	0.97	481	467	8.9	7.5	60	Y	12.1
8	46	0.95	464	441	8.0	7.6	72	Y	12.5
9	23	1.01	483	488	8.3	7.5	61	Y	12.0
10	46	1.21	446	540	7.8	7.6	76	Y	13.0
11	331	1.18	446	526	7.9	7.5	61	Y	13.0
12	2251	1.23	373	459	7.7	7.5	62	Y	15.6
13	2056	1.26	370	466	7.9	7.6	76	Y	15.7
14	2152	1.22	347	423	8.1	7.5	62	Y	16.7
15	2317	1.38	343	473	8.2	7.5	62	Y	16.9
16	2313	1.31	343	449	8.5	7.5	62	Y	16.9
17	2120	1.27	339	431	9.1	7.6	76	Y	17.1
18	2253	1.18	341	403	9.3	7.5	61	Y	17.0
19	15	1.17	363	424	9.7	7.5	61	Y	16.0
20	2211	1.28	352	450	9.7	7.5	62	Y	16.5
21	1827	1.32	341	450	9.9	7.6	76	Y	17.0
22	1932	1.37	341	467	10.0	7.4	47	Y	17.0
23	32	1.45	348	504	9.5	7.4	64	Y	16.7
24	102	1.37	349	478	9.0	7.4	62	Y	16.6
25	1126	1.31	350	459	8.7	7.5	62	Y	16.6
26	1204	1.36	349	474	8.9	7.6	76	Y	16.6
27	527	1.35	352	475	8.9	7.5	62	Y	16.5
28	1444	1.28	341	437	8.8	7.4	62	Y	17.0
29	2250	1.17	341	399	8.5	7.5	61	Y	17.0
30	4	1.21	345	418	8.9	7.5	62	Y	16.8
31	2325	1.28	347	444	9.1	7.5	62	Y	16.7

\* Site: Line 1 Aldersgate CT sample point, 7790 Marion Rd. SE Turner, OR

Report Date: Apr 04, 2024



## Chlorine/Turbidity/CT Summary Report

<b>PWS ID#:</b>	<b>4100731</b>	<b>Sample Period:</b>	<b>March 2024</b>
<b>System Name:</b>	<i>Salem Public Works Department</i>	<b>Laboratory Results:</b>	<i>Willow Lake Lab</i>
<b>Address:</b>	1410 20th St SE, Bldg 2 Salem OR 97302	<b>OHD-Certified Lab</b>	OR100010
<b>Contact Person:</b>	Dwayne Barnes, Utility Operations Manager	<b>Date Report Issued:</b>	4/4/2024
<b>Contact Number:</b>	503-588-6483	<b>Contact Person:</b>	Paul Mitchell
<b>Source Water:</b>	North Santiam River	<b>Contact Number:</b>	503-588-6380
<b>Treatment Type:</b>	Slow Sand Filtration	<b>Sampler:</b>	Treatment Operators
<b>Sample Location:</b>	Aldersgate and Geren Island	<b>Sample Date:</b>	As reported
		<b>Source ID #:</b>	EP-A and WTP-A

### Summary Table

<b>1. Turbidity</b>	Were 95 percent of the <b>turbidity</b> readings less than or equal to <b>1.0 NTU</b> for the month?	<b>Yes</b>
<b>2. Turbidity</b>	Were all <b>turbidity</b> readings less than or equal to <b>5.0 NTU</b> for the month?	<b>Yes</b>
<b>3. CT</b>	Were all <b>CTs</b> values met each day of the month?	<b>Yes</b>
<b>4. Chlorine</b>	Were all entry point <b>chlorine residuals</b> readings greater than or equal to <b>0.2 mg/L</b> for the month?	<b>Yes</b>
<b>5. Chlorine</b>	Was a detectable chlorine residual measured in at least 95% of the samples measured for the month?	<b>Yes</b>

Print Name: Dwayne Barnes, Utility Operations Manager

Signature:

Date: April 4, 2024